**Concentration Worksheet**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Explain why chemical compounds tend to dissolve more quickly in hot solvent than in cold solvent.
2. Give an example of two liquids that are immiscible (don’t mix)
3. How can you make a saturated solution from a supersaturated solution?
4. How can you make a supersaturated solution from a saturated solution?
5. How can you make an unsaturated solution from a saturated solution?
6. Classify the following solutions as saturated, supersaturated, or unsaturated:
   1. 30 g of KCl at 35°C \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. 100 g of NaNO3 at 30°C \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. 80 g of KNO3 at 50°C \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. How many grams of NH3 can dissolve in 100 g of water at 40°C?